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Halliday, Fundamentals of Physics, 10e

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The 10th edition of Halliday, Resnick and Walker's *Fundamentals of Physics* provides the perfect solution for teaching a 2 or 3 semester calc-based physics course by providing instructors with a tool by which they can teach students how to effectively read scientific material, identify fundamental concepts, reason through scientific questions, and solve quantitative problems. The 10th edition builds upon previous editions by offering new features designed to better engage students and support critical thinking.

The Wiley Advantage

- **The Flying Circus of Physics**, written by Jearl Walker, is incorporated into sample problems, text examples and end-of-chapter problems providing interesting real-world physics.
- **Reading questions** (available online) help test for reading comprehension
- **Checkpoints** offer stopping points so students can check their understanding of a question.
- **Sample problems** demonstrate how problems can be solved with reasoned solutions rather than quick and simplistic plugging of numbers into an equation with no regard for what the equation means.

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New To This Program

New in WileyPLUS:

- Video Illustrations
- Vector drawing questions
- All homework problems associated with learning objectives
- Double the number of GO tutorials. Roughly 20% of all EOC problems in the book have a GO tutorial
- **Concept Modules and Learning Objectives.** Chapters were restructured into modules based on a primary concept. Each module begins with learning objectives (the skills and learning points that should be gathered in reading the module). This is also available in the print text.

New in the text:

- **Rewritten chapters.** Based on feedback from his students, Jearl Walker has rewritten material that students find particularly challenging (eg Gauss' law and electric potential). Some other changes include expanded coverage of the Schrödinger equation including reflection of matter waves from a step potential and a decoupling of the discussion of the Bohr atom from the Schrödinger solution for the hydrogen atom.
- **New Sample Problems and Homework Questions and Problems.** 16 new sample problems, 350 problems and 50 questions some of which come from prior editions back by popular demand.

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Resources and Support

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INSTRUCTOR

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- **Instructor's Solutions Manual:** Contains detailed solutions to all end-of-chapter Problems in the textbook.
- **Lecture PowerPoint:** The Lecture PowerPoint™ contain all of the key concepts, equations, and illustrations in each chapter providing the basic content that instructors can customize for their individual courses.
- **Image Gallery:** Use this digital repository of images displayed throughout the textbook to enliven your PowerPoint slides and interact with the reading assignments in the classroom.
- Concept Simulations
- Interactive LearningWare Tutorials (ILW)
- Answers to all EOC Questions/Problems
- 9e-10e Problem Correlation
- Jearl Walker Essays
- Programmable Calculator Instructions

STUDENTS

- **Student Solutions Manual:** Step-by-step instructions explain how to complete a question/problem, providing further assistance to students struggling to come up with the correct answer. Available for purchase on wiley.com.
- **Student Study Guide:** Contains tools to help support material from the text, including chapter outlines, chapter reviews of key concepts, and a glossary of key terms. Available for purchase on wiley.com.

WileyPLUS

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- Problem-Solving Help including every sample problem in the text available online in video formats, hundreds of additional sample problems, GO tutorials, Hints on every end-of-chapter problem.
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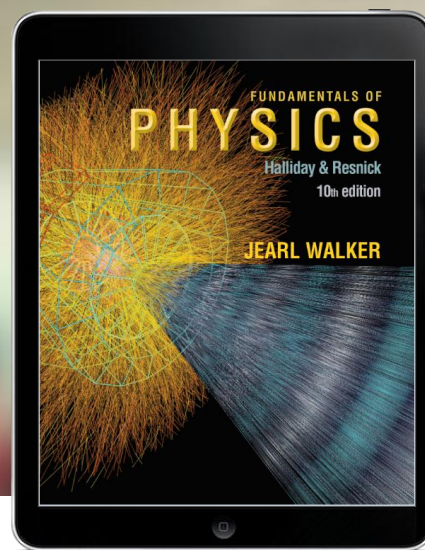


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